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various species of whitefish from lakes in the northern part of the state. This collection was made in order to study the local distribution of the local species and varieties of this group of fish.

The most important new work of the survey, namely, the investigation of the soils of the state, is carried on by the Geological and Natural History Survey, cooperating with the college of agriculture and the bureau of soils of the federal government. This survey is under the general direction of Professor A. R. Whitson, of the college of agriculture. In the developed portions of the state a detailed survey is being made, the counties selected this year being Iowa, Waukesha, Waushara and a portion of Bayfield. Engaged in the field work in these areas are G. B. Jones, P. O. Wood, G. B. Maynadier, J. W. Nelson and Clarence Lounsbury from the bureau of soils, and LeRoy Schoenmann, A. H. Meyer, A. H. Kuhlman and T. J. Dunnewald from the survey and the college of agriculture.

In the undeveloped portions of the state a reconnaissance survey is being made. This is in immediate charge of Samuel Weidman, geologist on the survey, assisted by W. S. Smith, of the bureau of soils, E. B. Spraker and E. B. Hall, of the survey, and F. L. Musback, of the college of agriculture. Dr. Weidman is completing the work carried on for some years in several counties of the northwestern portion of the state, and also mapping Marinette County, in the northeastern part of the state. It is expected that the field work in all these areas will be completed during the present season.

#### SCIENTIFIC NOTES AND NEWS

At the recent inauguration of Dr. E. F. Nichols as president of Dartmouth College, honorary degrees were conferred on a number of college presidents, including a doctorate of laws on Dr. C. R. Van Hise, president of the University of Wisconsin, and a doctorate of science on Dr. Richard C. Maclaurin, of the Massachusetts Institute of Technology.

On the occasion of the inauguration of Dr. E. B. Bryan as president of Colgate Univer-

sity, the honorary degree of doctor of science was conferred on Dr. John M. Clarke, state geologist of New York, and on Dr. F. C. Perry, professor of mathematics at Williams College.

Dr. M. TREUB, has retired from the directorship of the Botanical Garden at Buitenzorg.

Dr. EMIL ROSENBERG has retired from the active duties of the chair of anatomy at Utrecht.

Dr. THEODOR WEBER, emeritus professor of medicine at Halle, has celebrated his eightieth birthday.

Mr. JAMES BRITTEN has retired from the botanical department of the British Museum after thirty-eight years of service.

THE Rumford committee of the American Academy of Arts and Sciences has made an additional grant of \$300 to Professor L. R. Ingersoll, of the University of Wisconsin, for the continuation of his research on the optical constants of metals.

THE Paris Academy of Medicine has awarded a prize of £160 to M. W. Haffkine for his work on inoculation against cholera.

IN appreciation of his work in the Pennsylvania State Department of Health, Dr. Samuel G. Dixon, state health commissioner, was presented with a silver loving cup by the county medical inspectors of the state and chiefs of the state tuberculosis dispensaries, at a meeting held in Philadelphia on October 5.

SIR THOMAS ELLIOTT, secretary to the British Board of Agriculture and Fisheries, has been nominated by the French government to be a Companion of the Order "du Mérite Agricole."

A GOLD medal has been presented to Dr. Oswaldo Cruz in recognition of his services in extirpating yellow fever in Rio de Janeiro.

Dr. L. KARPINSKI, of the University of Michigan, is spending the year at Columbia University, working on the history of mathematics.

THE magnetic survey yacht, *Carnegie*, arrived at St. John's, N. F., on September 26

and set sail on October 2, with Dr. Bauer aboard, for Falmouth, England. The vessel will then continue, under the command of Mr. Wm. J. Peters, to Madeira and return to New York, *via* Bermuda, some time next March. Dr. Bauer returns from Falmouth to Washington early in November. Every possible courtesy was extended the *Carnegie* at St. John's by the Newfoundland authorities, the governor, the premier and other prominent officials making special visits to the vessel. Mr. Carl Smith, expert on gas engines in the technologic branch of the U. S. Geological Survey, accompanied her as far as St. John's, as consulting expert.

PROFESSOR ARTHUR H. BLANCHARD, of the department of civil engineering of Brown University and deputy engineer under the State Board of Public Roads of Rhode Island, sailed on October 13 for a tour of eight months which will be devoted to an investigation of the construction and maintenance of bituminous macadam roads in France, England and Scotland.

PROFESSOR H. H. STOEK, in charge of mining engineering at the University of Illinois, has been appointed by Governor Deneen as a member of the State Mining Commission, which has been constituted to formulate desirable legislation with reference to the mining industry, and to recommend the same to the governor in anticipation of the next regular session of that body.

MR. CHARLES T. RIPLEY, who graduated last June from the course in railway electrical engineering of the University of Illinois, has been awarded the first prize in the car design contest recently held under the direction of the John G. Brill Company, of Philadelphia. The prize consists of the John G. Brill Memorial Medal and \$250. This contest was instituted by the John G. Brill Company and by them announced last fall to all schools giving instruction in electrical engineering or railway electrical engineering. The contest consisted in competitive designs for electric railway cars for city service and it was open to seniors in all schools of the

country. Its purpose, as stated in the formal announcement, was to "awaken the intelligent interest of technical students in a field which offers great opportunities for personal endeavor, scientific research and a substantial reward."

DR. HUGH BLACKBURN, emeritus professor of mathematics at Glasgow University, where he was appointed in 1849 the successor of Professor James Thomson, Lord Kelvin's father, and retired from active service in 1879, died on October 9, at the age of eighty-six years.

MR. RICHARD BANNISTER, for many years chemist in the British government laboratory and known for his work on the chemistry of foods, died on September 7, at the age of seventy-four years.

PROFESSOR CESARE LOMBROSO, the eminent criminologist and author, died at Turin on October 18, of heart disease, at the age of seventy-three years.

THE surgeon-general of the army announces that the war department has appointed permanent boards for the preliminary examination of applicants for appointment in the medical corps of the army to meet at Washington, D. C., Fort Sheridan (near Chicago), Illinois, and San Francisco, California, in addition to the usual preliminary examination boards that are assembled at various army posts throughout the United States from time to time. The permanent boards will hold sessions on the second Monday of each month. A limited number of successful candidates will be appointed first lieutenants in the medical reserve corps (salary \$2,000 per annum) and assigned to army posts until the next session of the Army Medical School, when they will be ordered to attend the School as "student candidates." Applicants must be citizens of the United States, between twenty-two and thirty years of age, graduates of reputable medical schools, of good moral character and habits, and shall have had a year's hospital training after graduation, or its equivalent. Full information concerning the examination can be pro-

cured upon application to the "Surgeon General, U. S. Army, Washington, D. C."

A MALARIA conference attended by forty delegates from all parts of India met at Simla on October 12. Lord Minto, welcoming the members, stated that the deaths from fever in India during the last ten years averaged nearly four and a half millions. Last year the deaths were one million over the average, and the increase was believed to be due to malaria.

THE third session of the permanent commission of the International Seismological Association was held at Zermatt, Switzerland, from August 30 to September 3. It was very well attended. Of the 23 countries forming the association 20 were represented, as follows: Austria, Belgium, Bulgaria, Canada, Chile, Denmark, England, France, Germany, Greece, Hungary, Italy, Netherlands, Norway, Portugal, Roumania, Russia, Servia, Spain and Switzerland. Besides the delegates, other scientists were present making the total in attendance 42. Professor A. Schuster presided, and Dr. Hepites, of Bucharest, was elected vice-president. A goodly number of scientific papers was presented, besides the reports of committees on "Instruments," "Microseismic Movements," "Earthquake Catalogue," "Finance" and "Management of the Central Bureau." The next general meeting will be held at Manchester, England, in July, 1911.

THE Appalachian Engineering Association will convene in Washington, D. C., at the New Willard Hotel at 9:00 A.M., Friday, November 5. The program includes addresses by Major Wm. N. Page, of Washington, D. C., Richard H. Edmunds, editor of the *Manufacturers' Record*, Baltimore, Md., Dr. Thomas L. Watson, state geologist of Virginia, and papers by Professor R. L. Morris, of West Virginia University, Major W. J. Douglas, engineer of bridges for the District of Columbia, D. C. Weller, city engineer of Waynesboro, Pa., E. V. N. Heermance, president of the Virginia Concrete and Engineering Company, and H. Fernstrom, chief engineer of the Virginia Railway. On Saturday, November

6, by invitation of Superintendent Keppel, of the Union Terminal Company, the association will visit the mammoth interlocking plant at the new Union Station, after which Major Douglas, engineer of bridges for the district, will conduct the party to the gigantic reinforced concrete bridge on Connecticut Avenue. Headquarters will be at the New Willard Hotel and a very large attendance is promised. All engineers, geologists and persons interested in industrial development are cordially invited to attend these sessions.

It is stated in *Nature* that the inaugural meeting of the China Philosophical Society was held at Tientsin on September 18, under the presidency of the president of the Pei Yang University, Mr. Wang Shoh Lian, who, in the course of his address, pointed out the importance of the existence of such a society in the present stage of China's development, when western learning is being spread over the Empire. After the delivery of the address papers were read by Dr. G. Purves Smith, on agricultural possibilities of North China, and by Dr. Wu Lien Teh, on an example of scientific farming in Chihli.

THE *Journal* of the American Medical Association states that the trachoma prize of the International Medical Congress was not awarded, but the \$1,000 prize founded in 1897, by the City of Moscow, was given to Dr. O. Hertwig, professor of anatomy and comparative embryology at Berlin. The City of Paris prize of \$600 was awarded to the serologist, M. J. Bordet, of Brussels. The Laval prize of \$80 was divided between Professor H. Neumann, of Vienna, and Dr. A. Grey, of Glasgow, at the international otology congress which also met at Budapest. It was decided that the international medical congresses should henceforth not be held oftener than once in four years, so that the next congress will not convene until 1913, when it will meet in London. The international committee appointed to prepare the preliminaries for the international medical congresses in future is to have its headquarters at the Hague, near which the secretary, Professor K. Wenckebach, resides. The members of the

committee are Professor Pavy, of London, M. Blondel, of Paris, as president and vice-president; the latter is also secretary of the International Medical Press Association, Dr. Maragliano, of Genoa, Dr. Müller, of Budapest, and Dr. Waldeyer, of Berlin.

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#### UNIVERSITY AND EDUCATIONAL NEWS

THE trustees of Princeton University have accepted the gift of \$500,000 of Mr. W. C. Proctor, of Cincinnati, made on condition that an equal sum be obtained for the graduate school by May 1, 1910, and that the school be not situated where the house of the president now stands.

HAVERFORD COLLEGE has received \$100,000 to establish a fund for pensioning its professors.

THE General Education Board has made a conditional appropriation of \$125,000 to Ohio Wesleyan University, at Delaware, O.

MRS. CHARLES E. PERKINS, of Burlington, Ia., has given \$30,000 to Harvard University, to establish scholarships for students from Iowa.

HARVARD UNIVERSITY has received gifts amounting to \$6,600, to be used for the immediate benefit of freshmen in Harvard College, under the direction of the assistant dean.

AN additional sum of about \$40,000 has been collected in the Canton district for the endowment of Hong Kong University.

THE laboratories of The Rice Institute, at Houston, Texas, are being planned with the assistance of Professor J. S. Ames, of Baltimore; Professor E. G. Conklin, of Princeton; Professor T. W. Richards, of Cambridge, and Professor S. W. Stratton, of Washington.

WHEN the former College of Medicine of the University of Southern California became the Los Angeles Medical Department of the University of California, the former university was left without a medical department. Recently, however, the College of Physicians and Surgeons of Los Angeles was taken over

and made an integral part of the University of Southern California.

DR. G. B. LONGSTAFF, of New College, Oxford, has presented £2,400 as an additional endowment for the Hope department of zoology.

MR. F. T. HAVARD has been appointed assistant professor of mining and metallurgy at the University of Wisconsin. Mr. Havard is a well known metallurgical engineer, and a frequent contributor to the technical press. He is a graduate of the Royal School of Mines, Freiberg, and has had his metallurgical experience in Germany, Chile, Montana and elsewhere.

THE University of Pittsburgh has appointed Frederick L. Bishop, '98, formerly professor of physics at the Bradley Polytechnic Institute of Peoria, Ill., head of the department of physics.

DR. G. A. VAN RYNBERK, associate professor of physiology at Rome, has been appointed professor of physiology at Amsterdam.

MR. WALTER BRUDENELL GILL, formerly scholar of Christ Church, Oxford, has been elected to a fellowship at Merton College to undertake research work in physics and to act as a demonstrator.

DR. KARL MARBE, of Frankfort, has been appointed professor of philosophy at Würzburg.

DR. K. CORRENS, of Leipzig, has been appointed professor of botany at Münster.

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#### DISCUSSION AND CORRESPONDENCE

##### RECOMMENDATIONS REGARDING THE TREATMENT OF GENERA WITHOUT SPECIES, ETC.

As an outcome of the recent discussion in SCIENCE of the "Genera without Species" question, the following suggestions are offered for the consideration of zoologists and will be transmitted to the International Zoological Congress Committee on Nomenclature. They are the result of recent correspondence between Professor T. D. A. Cockerell and the writer, and have been formulated, and are here presented, by his suggestion and on lines proposed by him, with modifications that meet